

San Joaquin Valley Growth Response III

9/13/04

Results from Planning Models: Fresno COG Model 2034 and Madera Model 2034: Initial Run Land Use

	Model Area	Daily Auto Travel ³						PM Peak Hour Auto Travel ³					
		VT ⁴	VMT ⁵	Miles/Trip	VHT ⁶	Minutes /Trip	Avg Miles /Hour	VT ⁴	VMT ⁵	Miles/Trip	VHT ⁶	Minutes /Trip	Avg Miles /Hour
Fresno COG Model	Fresno County Roadways ¹	4,788,239	36,462,235	7.6	1,115,243	14	33	447,955	3,717,324	8.3	191,505	26	19
	Fresno Whatlf Study Area Roadways	4,623,400	29,420,756	6.4	889,193	12	33	432,203	3,006,280	7.0	164,333	23	18
	Fresno Intensification Area Roadways	735,897	1,000,371	1.4	37,669	3	27	68,508	95,773	1.4	7,049	6	14
Madera Model	Madera County Roadways	968,274	8,677,118	9.0	292,121	18	30	93,848	844,370	9.0	28,914	18	29
	Madera Whatlf Study Area Roadways	859,515	6,546,114	7.6	227,944	16	29	83,618	656,131	7.9	23,168	17	28

	Model Area	Work Transit				Non-Work Transit				Total Daily Transit	
		Person Trips		Minutes/Trip		Person Trips		Minutes/Trip		Person Trips	Minutes /Trip
		Drive Access	Walk Access	Drive Access	Walk Access	Drive Access	Walk Access	Drive Access	Walk Access		
Fresno COG Model	Fresno County Traffic Analysis Zones ²	0	22,910	na	52	0	65,515	na	47	88,425	48
	Fresno Whatlf Traffic Analysis Zones	0	22,871	na	51	0	65,367	na	47	88,238	48
	Intensification Traffic Analysis Zones	0	7,078	na	47	0	18,593	na	41	25,671	43

	Model Area	Daily Auto		Daily Transit		Daily Walk		All Modes		Percent by Mode		
		Work	Non-Work	Work	Non-Work	Work	Non-Work	Work	Non-Work	Auto	Transit	Walk
Fresno COG Model	Fresno County Traffic Analysis Zones ²	0.180	0.820	0.261	0.739	0.072	0.928	0.178	0.822	0.964	0.010	0.026
	Fresno Whatlf Traffic Analysis Zones	0.180	0.820	0.261	0.739	0.070	0.930	0.178	0.822	0.964	0.011	0.025
	Intensification Traffic Analysis Zones	0.205	0.795	0.277	0.723	0.115	0.885	0.205	0.795	0.959	0.021	0.020

¹Roadway measures are based on model network link data and select link matrices.

²Traffic analysis zone measures are based on model trip tables.

³Auto travel for each area excludes thru-trips, which have both origin and destination outside the area.
All measures apply within the boundary of each area; the external part of an i-x or x-i trip is not included.

⁴The number of trips with origin or destination in the model area.

⁵Link distance x daily volume, summed over all links in model area.

⁶Link congested time x daily volume, summed over all links in model area.

San Joaquin Valley Growth Response III

9/13/04

Results from Planning Models: Fresno COG Model 2034 and Madera Model 2034: Alt 1 Land Use

	Model Area	Daily Auto Travel ³						PM Peak Hour Auto Travel ³					
		VT ⁴	VMT ⁵	Miles/Trip	VHT ⁶	Minutes /Trip	Avg Miles /Hour	VT ⁴	VMT ⁵	Miles/Trip	VHT ⁶	Minutes /Trip	Avg Miles /Hour
Fresno COG Model	Fresno County Roadways ¹	4,588,034	35,653,122	7.8	1,247,443	16	29	429,777	3,655,273	8.5	203,898	28	18
	Fresno Whatlf Study Area Roadways	4,423,583	28,099,121	6.4	897,681	12	31	413,863	2,877,318	7.0	165,703	24	17
	Fresno Intensification Area Roadways	1,218,452	1,603,311	1.3	63,804	3	25	114,031	152,816	1.3	12,299	6	12
Madera Model	Madera County Roadways	1,055,775	8,938,910	8.5	347,137	20	26	102,562	876,830	8.6	34,818	20	25
	Madera Whatlf Study Area Roadways	949,192	6,806,707	7.2	280,589	18	24	92,515	689,199	7.5	28,888	19	24

	Model Area	Work Transit				Non-Work Transit				Total Daily Transit	
		Person Trips		Minutes/Trip		Person Trips		Minutes/Trip		Person Trips	Minutes /Trip
		Drive Access	Walk Access	Drive Access	Walk Access	Drive Access	Walk Access	Drive Access	Walk Access		
Fresno COG Model	Fresno County Traffic Analysis Zones ²	439	34,443	28	41	1,261	84,093	25	40	120,235	40
	Fresno Whatlf Traffic Analysis Zones	438	34,403	28	41	1,261	83,941	25	40	120,044	40
	Intensification Traffic Analysis Zones	248	16,628	26	35	566	39,592	24	35	57,034	35

	Model Area	Daily Auto		Daily Transit		Daily Walk		All Modes		Percent by Mode		
		Work	Non-Work	Work	Non-Work	Work	Non-Work	Work	Non-Work	Auto	Transit	Walk
Fresno COG Model	Fresno County Traffic Analysis Zones ²	0.178	0.822	0.292	0.708	0.070	0.930	0.177	0.823	0.959	0.015	0.026
	Fresno Whatlf Traffic Analysis Zones	0.177	0.823	0.292	0.708	0.068	0.932	0.176	0.824	0.959	0.016	0.025
	Intensification Traffic Analysis Zones	0.167	0.833	0.297	0.703	0.083	0.917	0.169	0.831	0.947	0.028	0.025

¹Roadway measures are based on model network link data and select link matrices.

²Traffic analysis zone measures are based on model trip tables.

³Auto travel for each area excludes thru-trips, which have both origin and destination outside the area.
All measures apply within the boundary of each area; the external part of an i-x or x-i trip is not included.

⁴The number of trips with origin or destination in the model area.

⁵Link distance x daily volume, summed over all links in model area.

⁶Link congested time x daily volume, summed over all links in model area.

San Joaquin Valley Growth Response III

9/13/04

Results from Planning Models: Fresno COG Model 2034 and Madera Model 2034: Alt 2 Land Use

	Model Area	Daily Auto Travel ³						PM Peak Hour Auto Travel ³					
		VT ⁴	VMT ⁵	Miles/Trip	VHT ⁶	Minutes /Trip	Avg Miles /Hour	VT ⁴	VMT ⁵	Miles/Trip	VHT ⁶	Minutes /Trip	Avg Miles /Hour
Fresno COG Model	Fresno County Roadways ¹	4,421,061	34,787,842	7.9	1,167,981	16	30	414,293	3,537,238	8.5	180,108	26	20
	Fresno Whatlf Study Area Roadways	4,255,954	27,302,182	6.4	834,238	12	33	398,490	2,781,486	7.0	144,105	22	19
	Fresno Intensification Area Roadways	1,708,188	2,404,016	1.4	88,799	3	27	158,937	227,587	1.4	14,348	5	16
Madera Model	Madera County Roadways	1,108,749	9,585,887	8.7	374,302	20	26	108,022	944,771	8.8	37,295	21	25
	Madera Whatlf Study Area Roadways	1,000,552	7,368,256	7.4	303,240	18	24	97,839	748,505	7.7	30,981	19	24

	Model Area	Work Transit				Non-Work Transit				Total Daily Transit	
		Person Trips		Minutes/Trip		Person Trips		Minutes/Trip		Person Trips	Minutes /Trip
		Drive Access	Walk Access	Drive Access	Walk Access	Drive Access	Walk Access	Drive Access	Walk Access		
Fresno COG Model	Fresno County Traffic Analysis Zones ²	482	31,487	27	40	1,163	82,260	23	37	115,392	37
	Fresno Whatlf Traffic Analysis Zones	482	31,447	27	40	1,163	82,109	23	37	115,201	37
	Intensification Traffic Analysis Zones	290	17,552	25	36	598	48,865	21	31	67,304	32

	Model Area	Daily Auto		Daily Transit		Daily Walk		All Modes		Percent by Mode		
		Work	Non-Work	Work	Non-Work	Work	Non-Work	Work	Non-Work	Auto	Transit	Walk
Fresno COG Model	Fresno County Traffic Analysis Zones ²	0.180	0.820	0.279	0.721	0.070	0.930	0.178	0.822	0.959	0.015	0.026
	Fresno Whatlf Traffic Analysis Zones	0.180	0.820	0.279	0.721	0.067	0.933	0.178	0.822	0.959	0.016	0.026
	Intensification Traffic Analysis Zones	0.158	0.842	0.266	0.734	0.060	0.940	0.158	0.842	0.952	0.022	0.026

¹Roadway measures are based on model network link data and select link matrices.

²Traffic analysis zone measures are based on model trip tables.

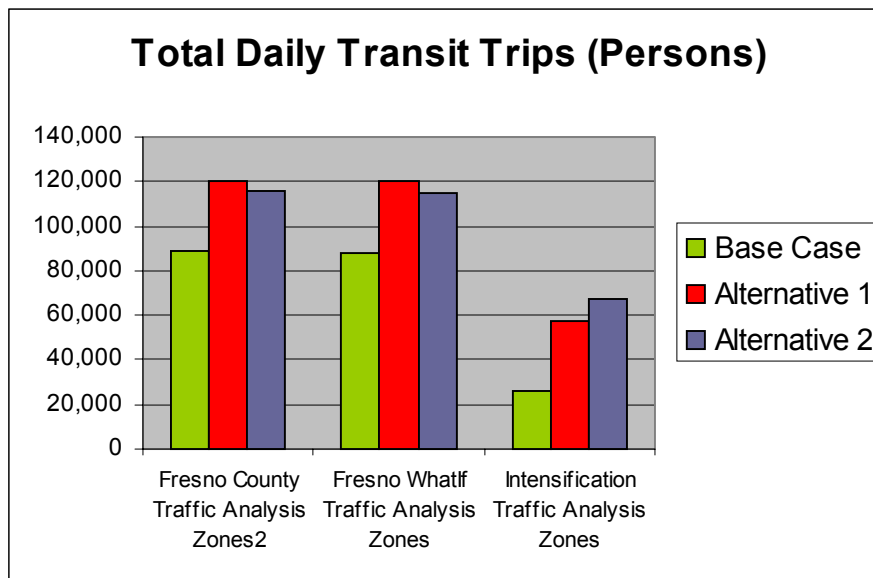
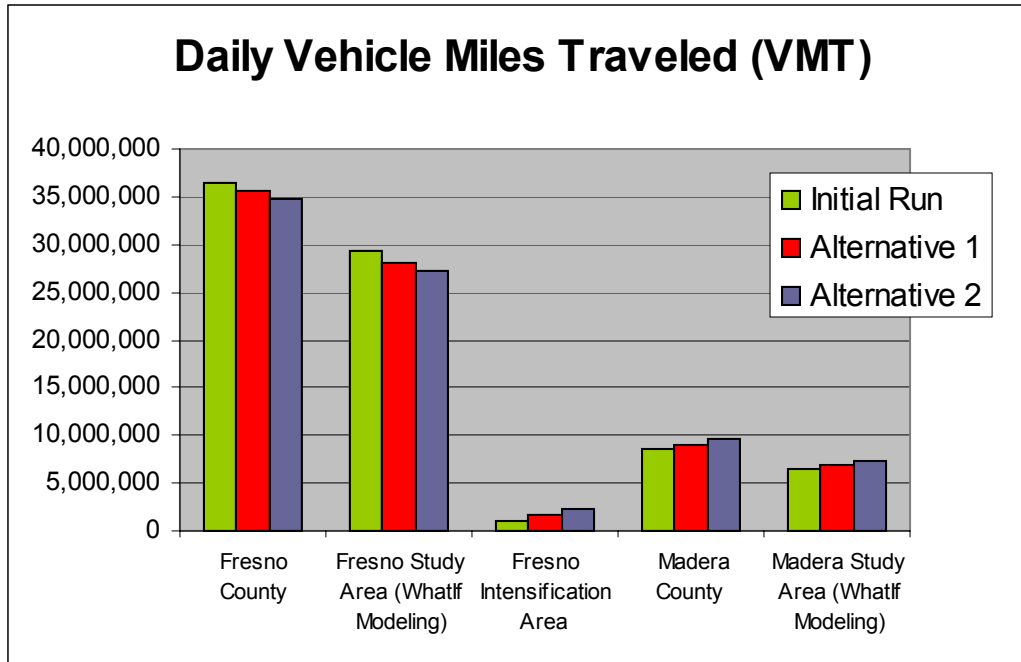
³Auto travel for each area excludes thru-trips, which have both origin and destination outside the area.
All measures apply within the boundary of each area; the external part of an i-x or x-i trip is not included.

⁴The number of trips with origin or destination in the model area.

⁵Link distance x daily volume, summed over all links in model area.

⁶Link congested time x daily volume, summed over all links in model area.

San Joaquin Valley Growth Response Study Transportation Indicator Results



San Joaquin Valley Growth Response Study

Transportation Indicator Results

